10/542788

PATENT APPLICATION

JC14 Rec'd PCT/PTO 2 0 JUL 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Group Art Unit: Unknown

Young-Taek KIM

Examiner: Unknown

Application No.: New Application

Atty. Dkt. No.: 101190-00049

Filed: July 20, 2005

REFRIGERATION SYSTEM OF AIR CONDITIONING APPARATUSES WITH

BYPASS LINE BETWEEN INLET AND OUTLET COMPRESSOR

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

July 20, 2005

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the information item(s) listed on the attached Form PTO-SB08. Unless otherwise indicated herein, one copy of each item(s) is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the item(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

	of this application, and that the item(s) be made of record therein and g the "References Cited" on any patent to issue therefrom.					
1. This Information Disclosure Statement is being filed (a) within thre months of the U.S. filing date or the date of filing a CPA, OR (b) before the mailing date of a first Office Action on the merits in the present application, or (a accompanies a Request for Continued Examination. No certification or fee is required.						
2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.						
	a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).					
	b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).					

10/542788 JC14 Rec'd PCT/PTO 20 JUL 2005

		c. A check in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300 as needed to ensure consideration of the disclosed information.				
3. This Information Disclosure Statement is being filed more than months after the U.S. filing date and after the mailing date of a Final Reject Notice of Allowance, but before payment of the Issue Fee. Applicant(s) petition(s) that the Information Disclosure Statement be considered. Attacour check in the amount of \$130.00 in payment of the petition fee under 3 §1.17(i)(1). Please charge any fee deficiency or credit any overpaym Deposit Account No. 01-2300 as needed to ensure consideration of the disinformation.						
		a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).				
		b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).				
\boxtimes	4. The reference(s) was/were cited in a counterpart foreign application English language version of the foreign search report is attached for Examiner's information.					
		Respectfully submitted, George E. Oram, Jr. Registration No. 27,931				
Custo	mer No	. 004372				

Customer No. 004372 Arent Fox PLLC 1050 Connecticut Avenue, N.W., Suite 400 Washington, D.C. 20036-5339

Tel: (202) 857-6000 Fax: (202) 638-4810

GEO:mso

Enclosures: Form PTO-SB08; Search Report



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO/SB/08a

of

1

Substitute for form 1449A/PTO

1

Sheet

	Complete if Known 10 15 10 700
Application Number	Complete if Known 15 42 7 0 6
Filing Date	July 20, 2005
First Named Inventor	Young-Taek KIM
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	101190-00049

			U.S. P	ATENT DOC	JMENTS	
Examiner Initials*	Cite No.1	Document Number	Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,230,470	Α	10/28/1980	Hitachi Ltd.	
-		US- 5,987,907	A	11/23/1999	Mitsubishi Denki Kabushiki Kaisha	
		US- 5,737,931	Α	4/14/1998	Mitsubishi Denki Kabushiki Kaisha	
-		US- 6,305,187	B1	10/23/2001	Hitachi Ltd.	
		US-				
		US-				
		US-				
		U\$-			·	
		US-				
_	1	US-				
		US-				
		US-				
		US-				
		US-	"			
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Country Code ³	Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
		0225185	wo	A1	3/28/2002	Boilcon Co.		
	<u> </u>							
	<u> </u>							
			· · - · - · ·					
	<u> </u>				•			
	<u> </u>			····	· · · · · · · · · · · · · · · · · · ·			
	<u> </u>							

Examiner	Date	•
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code. ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.